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Jimenez

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(54) **SYSTEM AND METHOD FOR SELECTIVELY ENERGIZING CATHETER ELECTRODES**

(58) **Field of Classification Search**

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See application file for complete search history.

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(56) **References Cited**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
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This patent is subject to a terminal disclaimer.

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(51) **Int. Cl.**

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(57)

ABSTRACT

The present invention is directed to a system, a method and a catheter that provide improved ablation capabilities and improved energy efficiency by selectively energizing catheter electrodes on the basis of impedance measurements. In particular, the invention is directed to the selective energization of catheter radial electrodes that together with a tip electrode form a generally continuous tissue contact surface, wherein the selection is made on the basis of impedance measurement as an indication of the amount of tissue contact of each radial electrode.

(52) **U.S. Cl.**

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